

Claims

1. A method for recognizing speech from word sequences assembled from multiple words of a given vocabulary, in which a first recognition method and a second recognition method are provided for application to separate segments of a word sequence that is to be recognized.
2. The method as defined in Claim 1, characterized in that the first recognition method is a recognition method with integrated unique syntax.
3. The method as defined in one of Claims 1 through 4 [sic], characterized in that the first method is a digram recognition method with integrated unique syntax.
4. The method as defined in one of Claims 1 through 3, characterized in that the second recognition method is a recognition method with statistical word sequence evaluation.
5. The method as defined in Claim 4, characterized in that the second method is a trigram recognition method in which the permissible word sequences are limited by way of a purely statistical evaluation.
6. The method as defined in Claim 5, characterized in that the word triplet of the trigram window is represented as a pseudoword doublet, the two pseudowords of a doublet overlapping and each containing two words of the corresponding triplet.
7. The method as defined in Claim 6, characterized in that upon a change from the first recognition method with integrated unique syntax to the second recognition method with statistical word sequence evaluation, the last two words of the segment processed using the first method are combined into one pseudoword.

8. The method as defined in one of Claims 1 through 7, characterized in that at least one segment is predefined in terms of its position and/or its length, and is permanently allocated to one of the alternative recognition methods.

9. The method as defined in Claim 8, characterized in that a segment of predefined length at the beginning of the phrase is processed using the first recognition method with integrated syntax.

10. The method as defined in one of Claims 1 through 8, characterized in that the second recognition method without integrated syntax is utilized as standard, and a changeover to the first recognition method with integrated syntax is made on the basis of word detection (word spotting) or phrase detection (phrase spotting).

ALL
A3